Request to Archive
With The National Centers for Environmental Information
For African Center of Meteorological Applications for Development
Provided by IEDRO

2015-02-20

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

Larry Nicodemus

IEDRO

Retired NCDC Meteorologist/IEDRO Volunteer

828-253-4543

Larry.Nicodemus@gmail.com

Use e-mail or telephone

2. Name the organization or group responsible for creating the dataset.

IEDRO > International Environmental Data Rescue Organization

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

Over 18,000,000 images are being inventoried and imaged for countries in western Africa. These data include Surface data (temperature, precipitation, pressure, wind speeds and directions, Relative humidity, etc.) Data will eventually be digitized using an internet digitization program designed and developed by IEDRO and Summit Technologies.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 1945

Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

N/A

6. Approximate date when the dataset was or will be released to the public:

2016-12-31

7. Who are the expected users of the archived data? How will the archived data be used?

Researchers, economists, insurance investigators, educators and agricultural community.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

IEDRO personnel will review the images as received for clarity, missing data and image quality. The keyed data will be keyed by 3 or 4 independant operators and compared to each other. Discrepancies will be corrected or re-keyed and placed in an archival database waiting for submission to the NCDC for permanant archival of the images and keyed data. Reco

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

These data would be supplemental to existing databases (GHCN Daily, Monthly data sets, upper air, as well as specialized data sets such as 15-minute, 30-minute and hourly precipitation values from strip charts.

10. List the input datasets and ancillary information used to produce the data.

Manually recorded forms from National Meteorological Hydrological Service personnel and other trained personnel.

11. List web pages and other links that provide information on the data.

None available at this time.

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. Image forms with recorded data, computer printed forms, keyed data in comma separated value formats.

13. Indicate the data file format(s).

1. CSV
2. PDF
3. PNG
4. JPG

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

NNNNNN_YYYYMMDD_nnnn.jpg, NNNNNN_YYYYMMDD_nnnn.csv,

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

Availability within a year.

17. What is the total data volume to be submitted?

<u>Historic Data: all historic data or data submitted as a completed collection.</u>

Total Data Volume:	500GB
Number of Data Files:	25000000

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

No additional updates, revisions or replacement data are anticipated.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location:	901 Main St., Deale, Maryland 20751 USA
System Name:	IEDRO Server
System Owner:	International Environmental Data Rescue Organization (IEDRO)
Additional Information:	

20. What are the possible methods for submitting the data to NCEI? Select all that apply.
1. FTP PUSH
2. SFTP PUSH

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.
1. Unknown
2. Direct download links

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?
No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.
These images and data are currently on deteriorating microfiche and in danger of being lost forever. Data needs to be archived at a secured location that backs up regularly and has the ability to handle make the data available to various users.

24. Are the data archived at another facility or are there plans to do so? Please explain.
IEDRO will maintain back-up copies of the data on it's servers, but is not in a position to handle regular customer service requests for the data.

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?
We have alerted Jason Cooper and Nancy Richie at NCDC.

26. Do you have a data management plan for your data?
No

27. Have funds been allocated to archive the data at NCEI?
No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.
USAID and WMO

29. Is there a desired deadline for NCEI to archive and provide access to the data?
No deadlines for archive or access.

30. Add any other pertinent information for this request.
There maybe other projects similar to this from Uzbekistan (with restricted access to images and data) and unrestricted images and data from Bolivia (imaged Summary Of Day and Synoptic forms), El Salvador (imaged precipitation strip charts with 15-minute digitized precipitation data) and Paraguay (imaged Summary Of Day and Synoptic forms) to follow.